Bangalore Electricity Supply Company Limited

(Wholly owned Government of Karnataka Undertaking)

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No. BESCOM/GM(ICT&MIS)/DGM-IT2/AGM-IT5/2025-26/ 2660 01 SEP 2025

CORRIGENDUM

Sub: Issue of Corrigendum/Clarification to the tender: "Supply, install, configure, commission & maintenance of backup storage appliance with all required software license & accessories along with backup software at Data Centre for all ESCOMs of Karnataka"

Ref: 1. Tender Enquiry No. BESCOM/2025-26/OW/WORK_INDENT546 dated 01.08.2025
2. Pre-Bid Meeting held on 12.08.2025 at Chamber of GM-IT, BESCOM.

Subsequent to the queries raised by the prospective bidders on the referred RFP, the Corrigendum/Clarifications are as below:

Sl. No.	Clause No. / Section No./page No.	As Existing				As Amended			
		Milestone	**Schedule**	**Payment Terms.**	**Penalty**	**Milestone**	**Schedule**	**Payment Terms.**	**Penalty**
1	3.5 a)/ 30	1)Submission of HLD on the implementation as per scope of work (T)	T+2 weeks	5% of total DWA cost.	0.5% of DWA cost for each Week delay subject to a maximum of 10%	**1) Supply, Installation, Configuration and commissioning of required capacity of backup storage appliance with all required software license & accessories along with backup software as per the scope of work and demonstration of required throughput for backup and restore for defined types of**	T + **8** weeks (T1) (T- Date of issue of DWA)	**80**% of total quoted cost	For Each Week delay, a 0.5% of this milestone cost subject to a maximum of 10% will be deducted
		2) Supply, Installation, Configuration and commissioning of required capacity of backup storage appliance with all required software license & accessories along with backup software as per the scope of work and	T+4 weeks;T 1	40% of total DWA cost.	0.5% of this milestone cost for each week delay subject to a maximum of 10%.				

		demonstration of required throughput for backup and restore for defined types of workloads (T1)				**workloads along with submission of HLD and LLD**			
		3)Submission of LLD on the implementation done as per the scope of work	T1+2 weeks	5% of total DWA cost.	0.5% of DWA cost for each Week delay subject to a maximum of 10%				
		4)Three year Warranty	T1+3 Years;T 2	Quarterly pay-outs. 2.5% of total DWA cost per quarter totalling to 30% of DWA cost for three years	As per SLA	**2)Three year Warranty**	(T1)+ 3 years (T2)	**Quarterly Payouts or upfront payment of 10% of the contract cost at the start of T^1 on submission of Bank Guarantee (BG), of value of 10% (ten percent) of contract cost with validity of BG for 3 years and 6 months from the date of DWA.**	No change
		5)Two years AMC	T2+2 years	Quarterly pay-outs 2.5% of DWA cost per quarter totalling to 20% of DWA cost for two years	As per SLA	**3)Two years AMC**	T2+ 2 years.	**Quarterly Payouts or upfront payment of 10% of the contract cost at the start of T^2 on submission of Bank Guarantee (BG), of value of 10% (ten percent) of contract cost with validity of BG for 5 years and 6 months from the date of DWA.**	No change

Sl. no.	**Section no./ Clause no./ Page no.**	**As Existing**	**As Amended**
		Description/ Subject	**Description/ Subject**

2	Section 4.11/ 35	The Bidder shall submit Performance Security of 10% on the Total Contract value to be valid for 90 days beyond the completion of contract period	The Bidder shall submit Performance Security of **5%** on the Total Contract value to be valid for 90 days beyond the completion of contract period
3	Section 5.2.2 Point 4 Protocols point 1/ 42	The storage should have a true unified storage configured with FC, iSCSI, SMB, NFS, CIFS, NDMP, SNMP, LDAP protocols for use with different applications and all protocols should support the maximum capacity offered by the storage system. Any hardware/software required for this functionality shall be supplied along with it in.	The storage should support FC, iSCSI, SMB, NFS, CIFS, NDMP, SNMP, LDAP, **OST and AD protocols for various backup requirement as per the proposed solution.**
4	Section 5.2.2 Point 2 High Availability point 5/ 42	Disk appliance to be offered with Flash and super capacitor for protection against data loss in power failure scenario and continuous automated file system check to ensure data integrity.	Disk appliance to be offered with Flash and super capacitor **or similar technology on appliance** for protection against data loss in power failure scenario and continuous automated file system check to ensure data integrity.
5	Section 5.2.2 Point 6/ 42	3) The storage should support in-line deduplication and in-line compression for entire capacity of unified storage. The disk space required to store backup data sets shall be reduced by maximum of 70% without impacting backup performance.	3) The **backup appliance shall** support in-line deduplication and in-line compression for entire capacity of PBBA. The disk space required to store backup data sets shall be reduced by maximum of 70% without impacting backup performance.
6	Section 5.2.2 Point 7/ 43	Minimum 2 Nos. of Dedicated Management ports shall be provided	**One or more** Nos. of Dedicated Management ports shall be provided
7	Section 5.2.2 point 12/ 44	Must include single management, easy to use GUI based and web enabled storage Manager software, to centrally manage all Storage subsystems, Multi-path (Load Balancing & Fail over), LUN masking and should Support RAID migration on to the vacant space available.	Must include single management, easy to use GUI based and web enabled **for both PBBA and Backup software.**
8	Section 5.2.2 point 15/ 44	Any Multi pathing software required for the solution must be supplied for unlimited host connectivity	The **PBBA shall support multi pathing for faster backups and restores**
9	Section 5.2.2 Point 15 / 44	Support for industry-leading Operating System platforms including Linux & its variants, Microsoft Windows & its variants, HP-UX, SUN Solaris, IBM-AIX, VMware, other Hypervisors etc.	Support for industry-leading Operating System platforms including **Linux & its variants, Microsoft Windows & its variants, IBM-AIX, VMware, other Hypervisors etc.**
10	Section 5.2.2 Point 15/ 44	Storage shall support all kinds of database such as oracle/MSSQL/MY SQL/ DB2/Informix/Sybase/ Exchange environment and archival.	**PBBA** shall support all kinds of database such as oracle/ MSSQL/ MYSQL/ DB2/Informix/Sybase/Exchange environment and archival.
11	Section 5.2.2 Point 20/ 45	The proposed storage should support multi tenancy and provide a secure administrative segregation of the underlying storage resources, hosts, users and Application data.	The **PBBA** should support multi tenancy and provide a secure administrative segregation of the underlying storage resources, hosts, users and Application data.
12	Section 5.2.4 point 2/ 49	The software should support for ever incremental backup & there should not be a need to do a Full back up again.	**The backup software shall have the capabilities to Support:** **1. Incremental Backups** **2. Differential Backups**

			3. Full Backups **4. Synthetic Full Backups** **The backup software should natively support all four backup types, Full, Incremental, Differential, and Synthetic Full, across all workload types, including Virtual Machines, File System (NAS), and Databases (Oracle, MySQL, MSSQL, and PostgreSQL**
13	Section 5.2.4 point 6/ 52	The proposed backup software should support instant recoveries for any backup to VMware or Hyper-V virtual machine or other Virtual platform like OVM. Also support instant database recoveries of MS SQL, Oracle, Postgres etc.	The proposed backup software should support instant recoveries for any backup to VMware or Hyper-V virtual machine or other Virtual platform like OVM. **Backup shall support complete native backup and granular restore capabilities for Oracle, MySQL, MS SQL, and Postgres support all cluster deployment of these Database, like** **1. Oracle RAC and Grid** **2. MySQL Multi-Instance** **3. MS SQL Always On Availability Group** **4. Streaming, Cluster and High availability Group**
14	Section 5.2.4 point 8/ 53	The backup data shall have ransom ware protection. The backup software should be able to integrate with existing anti-virus software and scan before recovery of VMs and ensure that any infected VM is not restored or restore it with disabled network adapters to prevent any infection to spread through the network.	The backup data shall have ransom ware protection. The backup software should be able to integrate with existing anti-virus software **or bidder provided threat intelligence with support to scan for known viruses, malwares and zero day attacks to be scanned** before recovery of VMs and ensure that any infected VM is not restored or restore it with disabled network adapters to prevent any infection to spread through the network.
15	Section 5.2.4 point 17/ 57	Backup Software shall offer Extensive reporting capabilities to monitor the health of Backups. Shall support HTML, TEXT and CSV outputs. It shall support scheduled automated generation of the report on a daily basis. And also shall be integrated with SMS.	Backup Software shall offer Extensive reporting capabilities to monitor the health of Backups. Shall support HTML, TEXT, **PDF** and CSV outputs. It shall support scheduled automated generation of the report on a daily basis. And also shall be integrated with SMS.

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